

ABSTRACT OF THE DISCLOSURE

A shared memory device called the Coupling Facility (CF) is used to record the indoubt transaction entries for each member of the database cluster, avoiding the CPU cost and elapsed time impact of persisting this information to disk (either via a log write
5 or a relational table I/O). The CF provides full read/write access and data coherency for concurrent access by all the members in the database cluster. At any given point in time, the CF will contain the full list of indoubt transactions for the entire database cluster. CF duplexing is used to guarantee the integrity of the CF structure used for the indoubt list. In the event of complete loss of both CF structures (which will not happen except in
10 major disaster situations), data sharing group restart processing can reconstruct the CF structures from the individual member logs.